

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

Thank you for accessing STN

Our services are currently unavailable. The regularly scheduled hours of operations are:

US Eastern time: Sunday from 01:00 (1:00 AM) until
 Saturday at 22:00 (10:00 PM)

On the first Saturday of each month, STN is available only until
17:00 (5:00 PM).

Tokyo time: Sunday from 14:00 (2:00 PM) until
 Sunday at 11:00 (11:00 AM)

On the Sunday of the first weekend of each month, STN is
available only until 06:00 (6:00 AM).

Additionally, representatives from the Help Desk and Customer Service
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Help Desk - (800) 848-6533 North America
 - (614) 447-3698 Elsewhere

Customer Service - (800) 753-4227 North America
 - (614) 447-3731 Elsewhere

We can also be contacted via email at HELP@CAS.ORG.

Connection closed by remote host

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America

NEWS 2 JAN 12 Match STN Content and Features to Your Information
Needs, Quickly and Conveniently

NEWS 3 JAN 25 Annual Reload of MEDLINE database

NEWS 4 FEB 16 STN Express Maintenance Release, Version 8.4.2, Is
Now Available for Download

NEWS 5 FEB 16 Derwent World Patents Index (DWPI) Revises Indexing
of Author Abstracts

NEWS 6 FEB 16 New FASTA Display Formats Added to USGENE and PCTGEN

NEWS 7 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content
and Features

NEWS 8 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail
Addresses

NEWS 9 APR 02 CAS Registry Number Crossover Limits Increased to
500,000 in Key STN Databases

NEWS 10 APR 02 PATDPAFULL: Application and priority number formats
enhanced

NEWS 11 APR 02 DWPI: New display format ALLSTR available

NEWS 12 APR 02 New Thesaurus Added to Derwent Databases for Smooth
Sailing through U.S. Patent Codes

NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding
Coverage back to 1948

NEWS 14 APR 07 CA/CAPLUS CLASS Display Streamlined with Removal of
Pre-IPC 8 Data Fields

NEWS 15 APR 07 50,000 World Traditional Medicine (WTM) Patents Now
Available in CAPLUS

NEWS 16 APR 07 MEDLINE Coverage Is Extended Back to 1947

NEWS 17 JUN 16 WPI First View (File WPIFV) will no longer be
available after July 30, 2010

NEWS 18 JUN 18 DWPI: New coverage - French Granted Patents

NEWS 19 JUN 18 CAS and FIZ Karlsruhe announce plans for a new
STN platform

NEWS 20 JUN 18 IPC codes have been added to the INSPEC backfile
(1969-2009)

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

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agreement. This agreement limits use to scientific research. Use
for software development or design, implementation of commercial
gateways, or use of CAS and STN data in the building of commercial
products is prohibited and may result in loss of user privileges
and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:00:00 ON 20 JUN 2010

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,

CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:00:20 ON 20 JUN 2010

62 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s ferment? and inject? and pure(p)oxygen and sole(p)reactive(p)gas?

0* FILE ADISNEWS
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0* FILE BIOENG
2* FILE BIOTECHABS
2* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN

22 FILES SEARCHED...

0* FILE FOMAD
0* FILE FROSTI
0* FILE FSTA

33 FILES SEARCHED...

2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE PASCAL

51 FILES SEARCHED...

2 FILE USPATFULL
0* FILE WATER
2 FILE WPIDS
2 FILE WPINDEX

6 FILES HAVE ONE OR MORE ANSWERS, 62 FILES SEARCHED IN STNINDEX

L1 QUE FERMENT? AND INJECT? AND PURE(P)OXYGEN AND SOLE(P)REACTIVE(P)GAS?

=> file biotechabs biotechds ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
2.07	2.29

FULL ESTIMATED COST

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 13:02:21 ON 20 JUN 2010

COPYRIGHT (C) 2010 THOMSON REUTERS

FILE 'IFIPAT' ENTERED AT 13:02:21 ON 20 JUN 2010

COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 13:02:21 ON 20 JUN 2010

CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PURE(P)OXYGEN'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SOLE(P)REACTIVE'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'REACTIVE(P)GAS?'

L2 6 L1

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 2 DUP REM L2 (4 DUPLICATES REMOVED)

=> d l3 1-2

L3 ANSWER 1 OF 2 BIOTECHDS COPYRIGHT 2010 THOMSON REUTERS on STN DUPLICATE
1
AN 2007-16237 BIOTECHDS
TI Fermentation process involves injecting stream of
pure oxygen as sole reactive
gas into the vessel while fermentation process is
occurring;
process optimization for use in fermentation
AU BRAHMBHATT S R
PA BRAHMBHATT S R
PI US 20070087402 19 Apr 2007
AI US 2006-552828 25 Oct 2006
PRAI US 2006-552828 25 Oct 2006; US 2004-779828 17 Feb 2004
DT Patent
LA English
OS WPI: 2007-456867 [44]

L3 ANSWER 2 OF 2 BIOTECHDS COPYRIGHT 2010 THOMSON REUTERS on STN DUPLICATE
2
AN 2005-23256 BIOTECHDS
TI Fermentation process for producing e.g. chemicals, food,
beverage, pharmaceuticals, and farm products, includes injecting
stream of pure oxygen into fermentation
vessel while fermentation process is occurring;
for food and pharmaceutical industries
AU BRAHMBHATT S R
PA BRAHMBHATT S R
PI US 20050181499 18 Aug 2005
AI US 2004-779828 17 Feb 2004
PRAI US 2004-779828 17 Feb 2004; US 2004-779828 17 Feb 2004
DT Patent
LA English
OS WPI: 2005-554253 [56]

=> d hist

(FILE 'HOME' ENTERED AT 13:00:00 ON 20 JUN 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:00:20 ON 20 JUN 2010
SEA FERMENT? AND INJECT? AND PURE(P)OXYGEN AND SOLE(P)REACTIVE(

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
2* FILE BIOTECHABS
2* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE FOMAD
0* FILE FROSTI

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0*  FILE FSTA
2   FILE IFIPAT
0*  FILE KOSMET
0*  FILE NTIS
0*  FILE PASCAL
2   FILE USPATFULL
0*  FILE WATER
2   FILE WPIDS
2   FILE WPINDEX
L1      QUE FERMENT? AND INJECT? AND PURE(P)OXYGEN AND SOLE(P)REACTIVE(
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FILE 'BIOTECHDS, IFIPAT, USPATFULL' ENTERED AT 13:02:21 ON 20 JUN 2010
L2      6 S L1
L3      2 DUP REM L2 (4 DUPLICATES REMOVED)

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=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 13:03:11 ON 20 JUN 2010

```

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:
 TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

```

NEWS 1      Web Page for STN Seminar Schedule - N. America
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 NEWS 21 JUN 21 Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT, and MARPAT
 NEWS 22 JUN 21 Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
 NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
 NEWS 24 JUN 29 Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2, AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:14:38 ON 15 JUL 2010

=> s substantially(p)pure(p)oxygen and ferment?
 THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
 Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> index bioscience
 FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 0.44 0.44

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 20:15:51 ON 15 JUL 2010

62 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view

search error messages that display as 0* with SET DETAIL OFF.

=> s substantially(p)pure(p)oxygen and ferment? and sole(p)gas?

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
1 FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN

27 FILES SEARCHED...

0* FILE FOMAD
1* FILE FROSTI
0* FILE FSTA
4 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE PASCAL

53 FILES SEARCHED...

3 FILE USPATFULL
1 FILE USPAT2
0* FILE WATER

5 FILES HAVE ONE OR MORE ANSWERS, 62 FILES SEARCHED IN STNINDEX

L1 QUE SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND SOLE(P)GAS?

=> file biosis frosti ifipat uspatfull uspat2

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.38	1.82

FILE 'BIOSIS' ENTERED AT 20:17:19 ON 15 JUL 2010
Copyright (c) 2010 The Thomson Corporation

FILE 'FROSTI' ENTERED AT 20:17:19 ON 15 JUL 2010
COPYRIGHT (C) 2010 Leatherhead Food Research Association

FILE 'IFIPAT' ENTERED AT 20:17:19 ON 15 JUL 2010
COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 20:17:19 ON 15 JUL 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 20:17:19 ON 15 JUL 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'STANTIALLY(P)PURE'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PURE(P)OXYGEN'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SOLE(P)GAS?'

L2 10 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 5 DUP REM L2 (5 DUPLICATES REMOVED)

=> d 13 1-5

L3 ANSWER 1 OF 5 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
DUPLICATE 1
AN 2010:367026 BIOSIS
DN PREV201000367026
TI Use of pure oxygen in viscous fermentation processes.
AU Brahmabhatt, Sudhir [Inventor]; Anonymous
CS Glencoe, MO USA
ASSIGNEE: American Air Liquide Inc
PI US 07718405 20100518
SO Official Gazette of the United States Patent and Trademark Office Patents,
(MAY 18 2010)
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 23 Jun 2010
Last Updated on STN: 23 Jun 2010

L3 ANSWER 2 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN DUPLICATE 2
AN 11437338 IFIPAT;IFIUDB;IFICDB
TI Oxygen-Assisted Fermentation Process
IN Brahmabhatt Sudhir R
PA Unassigned Or Assigned To Individual (68000)
PI US 20070087402 A1 20070419
AI US 2006-552828 20061025 (11)
RLI US 2004-779828 20040217 CONTINUATION PENDING
FI US 20070087402 20070419
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 19 Apr 2007
Last Updated on STN: 7 May 2007
CLMN 24

L3 ANSWER 3 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN DUPLICATE 3
AN 11415889 IFIPAT;IFIUDB;IFICDB
TI USE OF PURE OXYGEN IN VISCOUS FERMENTATION PROCESSES
IN Brahmabhatt Sudhir
PA Unassigned Or Assigned To Individual (68000)
PI US 20070065927 A1 20070322
AI US 2006-530364 20060908 (11)
PRAI US 2005-718462P 20050919 (Provisional)
FI US 20070065927 20070322
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
OS CA 146:331971
ED Entered STN: 23 Mar 2007
Last Updated on STN: 12 Apr 2007
CLMN 20

L3 ANSWER 4 OF 5 FROSTI COPYRIGHT 2010 LFRA on STN
AN 719650 FROSTI
TI Use of pure oxygen in viscous fermentation
processes.
IN Brahmabhatt S.
PA LAir Liquide-SA a Directoire et Conseil de Surveillance pour LEtude et
LExploitation des Procedes Georges Claude
SO PCT Patent Application
PI WO 2007034271 A1 20070329

AI 20060912
PRAI United States 20050919; 20060908
NTE 20070329
DT Patent
LA English
SL English

L3 ANSWER 5 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN DUPLICATE 4
AN 10942767 IFIPAT;IFIUDB;IFICDB
TI Oxygen-assisted fermentation process; Directing
substantially pure oxygen into
fermentation medium in order to enhance efficiency of
fermentation
IN Brahmabhatt Sudhir R
PA Unassigned Or Assigned To Individual (68000)
PPA American Air Liquide Inc (Probable)
PI US 20050181499 A1 20050818
AI US 2004-779828 20040217 (10)
FI US 20050181499 20050818
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
OS CA 143:228042
ED Entered STN: 19 Aug 2005
Last Updated on STN: 6 Mar 2008
CLMN 8

=> dup rem 15

L5 IS NOT VALID HERE

The L-number entered has not been defined in this session, or it
has been deleted. To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> d up rem 13

'REM' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid
in at least one of the files. Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):.

L3 ANSWER 1 OF 5 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
DUPLICATE 1
AN 2010:367026 BIOSIS
DN PREV201000367026
TI Use of pure oxygen in viscous fermentation processes.
AU Brahmabhatt, Sudhir [Inventor]; Anonymous
CS Glencoe, MO USA
ASSIGNEE: American Air Liquide Inc
PI US 07718405 20100518
SO Official Gazette of the United States Patent and Trademark Office Patents,
(MAY 18 2010)
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 23 Jun 2010
Last Updated on STN: 23 Jun 2010

=> dup rem 13

PROCESSING COMPLETED FOR L3

L4 5 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 14 1-5

L4 ANSWER 1 OF 5 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
AN 2010:367026 BIOSIS
DN PREV201000367026
TI Use of pure oxygen in viscous fermentation processes.
AU Brahmhatt, Sudhir [Inventor]; Anonymous
CS Glencoe, MO USA
ASSIGNEE: American Air Liquide Inc
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L4 ANSWER 2 OF 5 FROSTI COPYRIGHT 2010 LFRA on STN
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PRAI United States 20050919; 20060908
NTE 20070329
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LA English
SL English

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Last Updated on STN: 7 May 2007
CLMN 24

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AN 11415889 IFIPAT;IFIUDB;IFICDB
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PRAI US 2005-718462P 20050919 (Provisional)
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L4 ANSWER 5 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN
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OS CA 143:228042
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CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 20:15:51 ON 15 JUL 2010
SEA SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND SOLE(P)GAS?

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
1 FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE FOMAD
1* FILE FROSTI
0* FILE FSTA
4 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE PASCAL
3 FILE USPATFULL
1 FILE USPAT2
0* FILE WATER

L1 QUE SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND SOLE(P)GAS?

FILE 'BIOSIS, FROSTI, IFIPAT, USPATFULL, USPAT2' ENTERED AT 20:17:19 ON

15 JUL 2010

L2 10 S L1
L3 5 DUP REM L2 (5 DUPLICATES REMOVED)
L4 5 DUP REM L3 (0 DUPLICATES REMOVED)

=> s SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND only(P)gas?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'STANTIALLY(P)PURE'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PURE(P)OXYGEN'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'ONLY(P)GAS?'
L5 5 SUBSTANTIALLY(P) PURE(P) OXYGEN AND FERMENT? AND ONLY(P) GAS?

=> d 15 1-5

L5 ANSWER 1 OF 5 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
AN 1990:217196 BIOSIS
DN PREV199089114486; BA89:114486
TI CRITICAL ASSESSMENT OF THE STEADY-STATE SODIUM SULFITE FEEDING METHOD FOR
K-A MEASUREMENT IN FERMENTORS.
AU LINEK V [Reprint author]; BENES P; SINKULE J
CS INST CHEM TECHNOL, DEP CHEM ENGINEERING, 166 28 PRAGUE 6, CZECHOSLOVAKIA
SO Biotechnology and Bioengineering, (1990) Vol. 35, No. 8, pp. 766-770.
CODEN: BIBIAU. ISSN: 0006-3592.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 10 May 1990
Last Updated on STN: 10 May 1990

L5 ANSWER 2 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN
AN 11437338 IFIPAT;IFIUDB;IFICDB
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ED Entered STN: 19 Apr 2007
Last Updated on STN: 7 May 2007
CLMN 24

L5 ANSWER 3 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN
AN 11415889 IFIPAT;IFIUDB;IFICDB
TI USE OF PURE OXYGEN IN VISCOUS FERMENTATION PROCESSES
IN Brahmhatt Sudhir
PA Unassigned Or Assigned To Individual (68000)
PI US 20070065927 A1 20070322
AI US 2006-530364 20060908 (11)
PRAI US 2005-718462P 20050919 (Provisional)
FI US 20070065927 20070322
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
OS CA 146:331971
ED Entered STN: 23 Mar 2007
Last Updated on STN: 12 Apr 2007

CLMN 20

L5 ANSWER 4 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN
AN 10942767 IFIPAT;IFIUDB;IFICDB
TI Oxygen-assisted fermentation process; Directing
substantially pure oxygen into
fermentation medium in order to enhance efficiency of
fermentation
IN Brahmbhatt Sudhir R
PA Unassigned Or Assigned To Individual (68000)
PPA American Air Liquide Inc (Probable)
PI US 20050181499 A1 20050818
AI US 2004-779828 20040217 (10)
FI US 20050181499 20050818
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
OS CA 143:228042
ED Entered STN: 19 Aug 2005
Last Updated on STN: 6 Mar 2008
CLMN 8

L5 ANSWER 5 OF 5 IFIPAT COPYRIGHT 2010 IFI on STN
AN 05196993 IFIPAT;IFIUDB;IFICDB
TI USE OF PURE OXYGEN IN VISCOUS FERMENTATION PROCESSES
IN Brahmbhatt Sudhir
PA American Air Liquide Inc (21034)
PI US 7718405 B2 20100518
US 20070065927 A1 20070322
AI US 2006-530364 20060908 (11)
PRAI US 2005-718462P 20050919 (Provisional)
FI US 7718405 20100518
DT Utility; Granted Patent - Utility, with Pre-Grant Publication
FS CHEMICAL
GRANTED
ED Entered STN: 19 May 2010
Last Updated on STN: 19 May 2010
CLMN 6

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(FILE 'HOME' ENTERED AT 20:14:38 ON 15 JUL 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
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SEA SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND SOLE(P)GAS?

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1* FILE FROSTI

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4 FILE IFIPAT
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3 FILE USPATFULL
1 FILE USPAT2
0* FILE WATER
L1 QUE SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND SOLE(P)GAS?
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L4 5 DUP REM L3 (0 DUPLICATES REMOVED)
L5 5 S SUBSTANTIALLY(P)PURE(P)OXYGEN AND FERMENT? AND ONLY(P)GAS?
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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

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	ENTRY	SESSION
FULL ESTIMATED COST	45.08	46.90

STN INTERNATIONAL LOGOFF AT 20:19:15 ON 15 JUL 2010

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LOGINID:ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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for Taiwanese application numbers in CA/CAPLUS.
NEWS 4 OCT 21 CA/CAPLUS kind code changes for Chinese patents
increase consistency, save time
NEWS 5 OCT 22 New version of STN Viewer preserves custom
highlighting of terms when patent documents are
saved in .rtf format
NEWS 6 OCT 28 INPADOCDB/INPAFAMDB: Enhancements to the US national
patent classification.
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CA/CAPLUS increases consistency, saves time.
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December 31, 2010
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December 31, 2010 by Request of Prous Science
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backfile extension to 1946

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NEWS 14 DEC 21 CAS Learning Solutions -- a new online training experience

NEWS 15 DEC 22 Value-Added Indexing Improves Access to World Traditional
Medicine Patents in Caplus

NEWS 16 JAN 24 The new and enhanced DPCI file on STN has been released

NEWS 17 JAN 26 Improved Timeliness of CAS Indexing Adds Value to
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other enhancements improve searching in STN reload of
MEDLINE

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Qualified Customers

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AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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=> index bioscience		
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	ENTRY	SESSION
FULL ESTIMATED COST	0.46	0.46

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CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGU, EMBAL, EMBASE, ESBIODBASE, ...' ENTERED AT 18:10:16 ON 13 MAR 2011

56 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s ferment? and oxygen and recycl? and head(p)space and predetermined and pressure
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0* FILE BIOTECHDS
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0* FILE CEABA-VTB
0* FILE CIN

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23 FILES SEARCHED...

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0* FILE FSTA
2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
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45 FILE USPATFULL

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49 FILES SEARCHED...

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9 FILE USPAT2
0* FILE WATER
1 FILE WPIDS
1 FILE WPINDEX

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6 FILES HAVE ONE OR MORE ANSWERS, 56 FILES SEARCHED IN STNINDEX

L1 QUE FERMENT? AND OXYGEN AND RECYCL? AND HEAD(P)SPACE AND PREDETERMINED AND PRESSURE

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ENTRY	SESSION
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FULL ESTIMATED COST

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COPYRIGHT (C) 2011 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 18:12:00 ON 13 MAR 2011
CA INDEXING COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 18:12:00 ON 13 MAR 2011
CA INDEXING COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:12:00 ON 13 MAR 2011
CA INDEXING COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 57 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

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L4 43 L3 AND INJECT?

=> s l4 and continuo?

L5 34 L4 AND CONTINUO?

=> s l5 and pure(p)oxygen?

L6 15 L5 AND PURE(P) OXYGEN?

=> s 16 and supply and (sole or only)(p)gas
L7 2 L6 AND SUPPLY AND (SOLE OR ONLY) (P) GAS

=> d 17 1-2

L7 ANSWER 1 OF 2 IFIPAT COPYRIGHT 2011 IFI on STN
AN 11437338 IFIPAT;IFIUDB;IFICDB
TI Oxygen-Assisted Fermentation Process
IN Brahmbhatt Sudhir R
PA Unassigned Or Assigned To Individual (68000)
PI US 20070087402 A1 20070419
AI US 2006-552828 20061025 (11)
RLI US 2004-779828 20040217 CONTINUATION PENDING
FI US 20070087402 20070419
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 19 Apr 2007
Last Updated on STN: 7 May 2007
CLMN 24

L7 ANSWER 2 OF 2 IFIPAT COPYRIGHT 2011 IFI on STN
AN 10942767 IFIPAT;IFIUDB;IFICDB
TI Oxygen-assisted fermentation process; Directing
substantially pure oxygen into fermentation
medium in order to enhance efficiency of fermentation
IN Brahmbhatt Sudhir R
PA Unassigned Or Assigned To Individual (68000)
PPA Mg Industries
PPA Alig
PPA American Air Liquide Inc
PPA Messer Griesheim Ind LLC (Probable)
PI US 20050181499 A1 20050818 (CITED IN 001 LATER PATENTS)
AI US 2004-779828 20040217 (10)
FI US 20050181499 20050818
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
OS CA 143:228042
ED Entered STN: 19 Aug 2005
Last Updated on STN: Jan 2011
CLMN 8

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(FILE 'HOME' ENTERED AT 18:09:08 ON 13 MAR 2011)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
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CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGU, EMBAL, EMBASE, ESBIOWASE, ...' ENTERED AT 18:10:16 ON 13 MAR 2011
SEA FERMENT? AND OXYGEN AND RECYCL? AND HEAD(P)SPACE AND PREDET

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L1 QUE FERMENT? AND OXYGEN AND RECYCL? AND HEAD(P)SPACE AND PREDET

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 L3 55 DUP REM L2 (2 DUPLICATES REMOVED)
 L4 43 S L3 AND INJECT?
 L5 34 S L4 AND CONTINUO?
 L6 15 S L5 AND PURE(P)OXYGEN?
 L7 2 S L6 AND SUPPLY AND (SOLE OR ONLY) (P)GAS

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LOGOFF? (Y)/N/HOLD:y

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SINCE FILE

TOTAL

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FULL ESTIMATED COST

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